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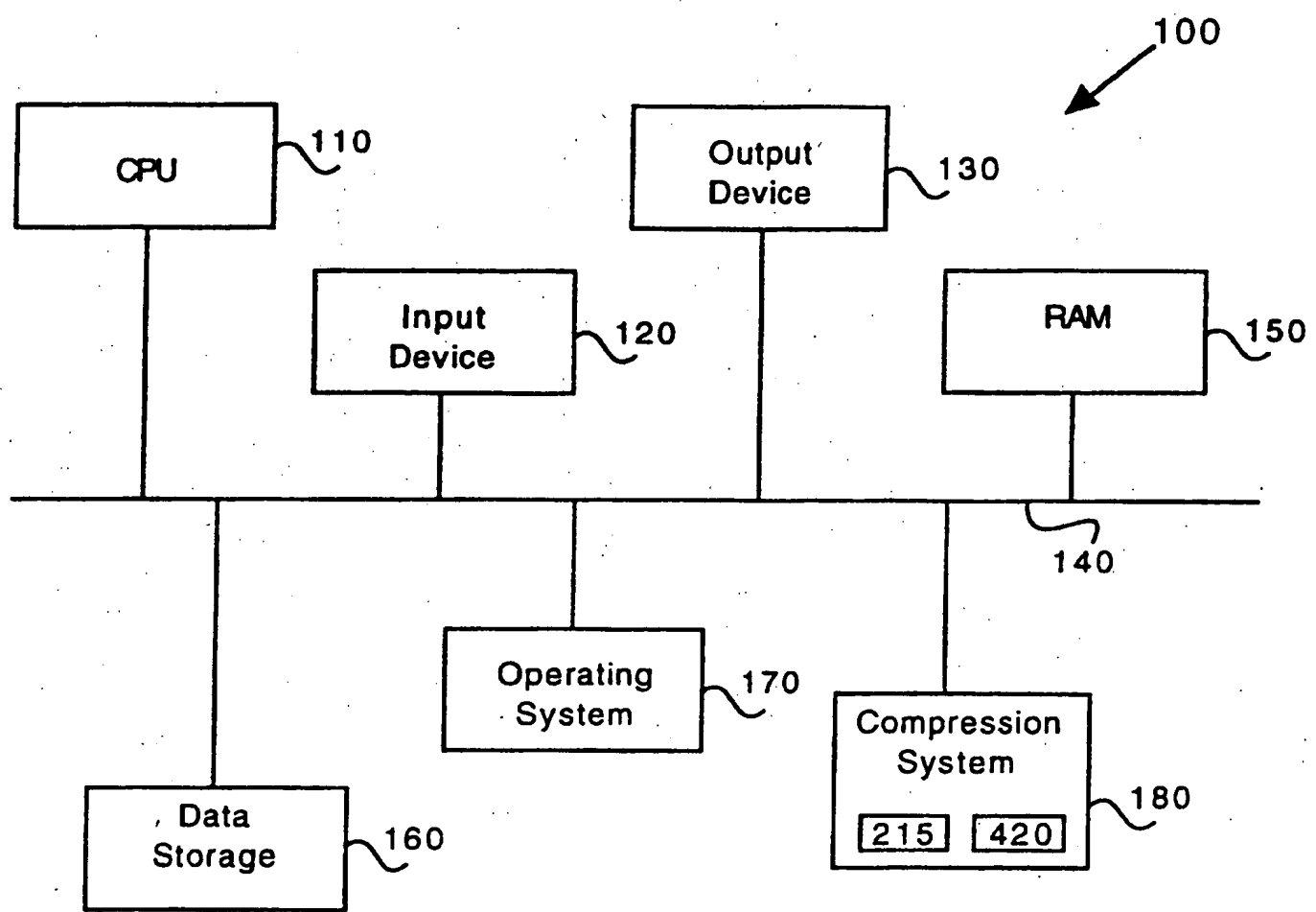


FIG. 1

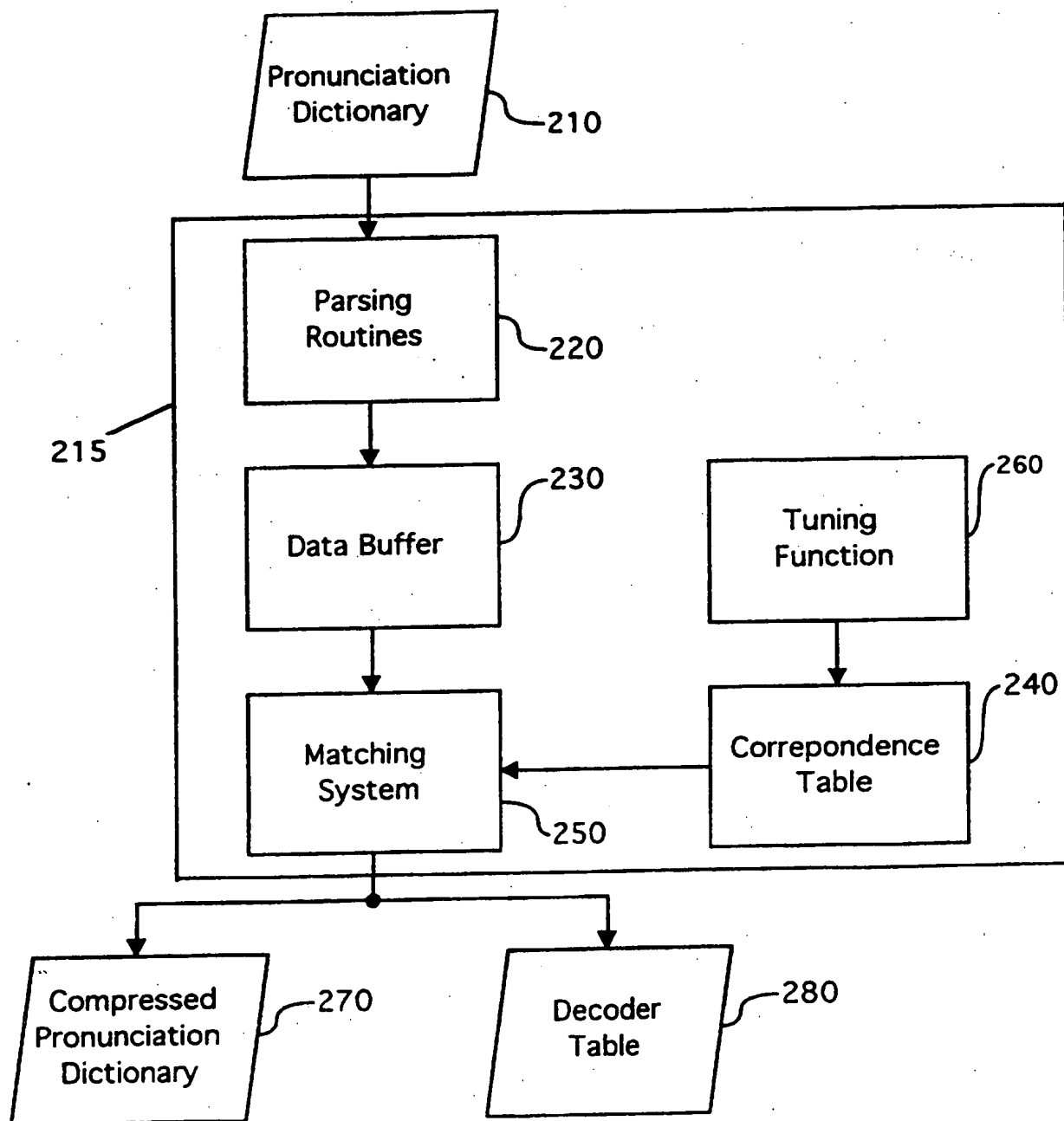


FIG. 2

FIG. 3: A Correspondence Table for American English

Phoneme(s)	Text Entry	Symbol	Phoneme(s)	Text Entry	Symbol	Phoneme(s)	Text Entry	Symbol	Phoneme(s)	Text Entry	Symbol
AE	ai	(1)	IX	e		d	d		s	s	
AE	a	(2)	IX	iou	(60)	d	ed		s	z	
EY	ai	(3)	IX	lo		d	tt		S	c	
EY	ae	(4)	IX	ia		d	t		S	sh	
EY	ay	(5)	IX	i		D	th	(120)	S	ss	
EY	a		IX	ou		f	ff		S	s	
EY	ey		IX	o		f	f		S	l	
EY	e		IX	u		f	gh		ts	z	(180)
AO	au		IX	y		f	ph		t	d	
AO	a	(10)	IX	.		gz	x		t	ed	
AO	oa		AA	aa		gZ	x		t	th	
AO	ou		AA	a	(70)	g	gg		t	tt	
AO	o		AA	e		g	gh		t	t	
AX ^k	c		AA	ow		g	g		T	th	
AX ⁱ	l		AA	o		h	h	(130)	v	f	
AX ^m	m		UW	ew		h	j		v	v	
AX	a		UW	oo		h	x		w1AA	oi	
AX	ia		UW	ou		J	dg		w1UX	o	(190)
AX	i	(20)	UW	o		J	dj		wAA	oi	
AX	o		UH	u		J	d		wUX	o	
AX	u		UH	le	(80)	J	g		w	u	
AX	y		UH	e		J	i		w	w	
AX	.		UH	oo		kw	cqu		y1UH	u	
IY IX	u		UH	o		ks	x	(140)	y1UW	u	
IY	ae		UX ^r	r		kS	x		y1UW	ew	
IY	ea		UX	a		kT	th		y1UX	u	
IY	ee		UX	eu		k	cc		yUH	u	
IY	eo		UX	e		k	ch		yUW	ew	(200)
IY	ey	(30)	UX	i		k	ck		yUW	ieu	
IY	e		UX	ou		k	c		yUW	u	
IY	ie		UX	o	(90)	k	k		yUX	u	
IY	i		UX	u		k	lk		yIX	u	
IY	oe		UX	v		k	qu		yAX	a	
IY	v		OW	au		k	q		yAX	u	
EH	ae		OW	a		l	ll	(150)	yAA	o	
EH	ai		OW	ew		l	l		y	i	
EH	a		OW	oa		l	sl		y	i	(210)
EH	ea		OW	ou		m	lm		y	ll	
EH	e	(40)	OW	ow		m	mm		y	v	
EH	u		OW	o		m	m		z	es	
IH	a		AW	ao	(100)	ny	gn		z	s	
IH	e		AW	au		n	en		z	x	
IH	i		AW	a		n	gn		z	z	
IH	o		AW	ou		n	kn		Z	g	
IH	u		AW	ow		n	nn	(160)	Z	i	
IH	v		OY	aw		n	n		Z	ss	
AY	ae		OY	oi		N	ng		Z	s	
AY	ai		OY	oy		N	n		Z	z	(220)
AY	a	(50)	b	bb		p	pp				
AY	i		b	b		p	p				
AY	y		C	ch	(110)	rr	r				
IX ⁱ	le		C	c		r	er				
IX ⁿ	n		C	s		r	rr				
IX	ae		C	tch		r	r				
IX	a		C	t		s	c	(170)			
IX	eeou		d	dd		s	sc				
IX	ea					s	ss				

FIG. 3

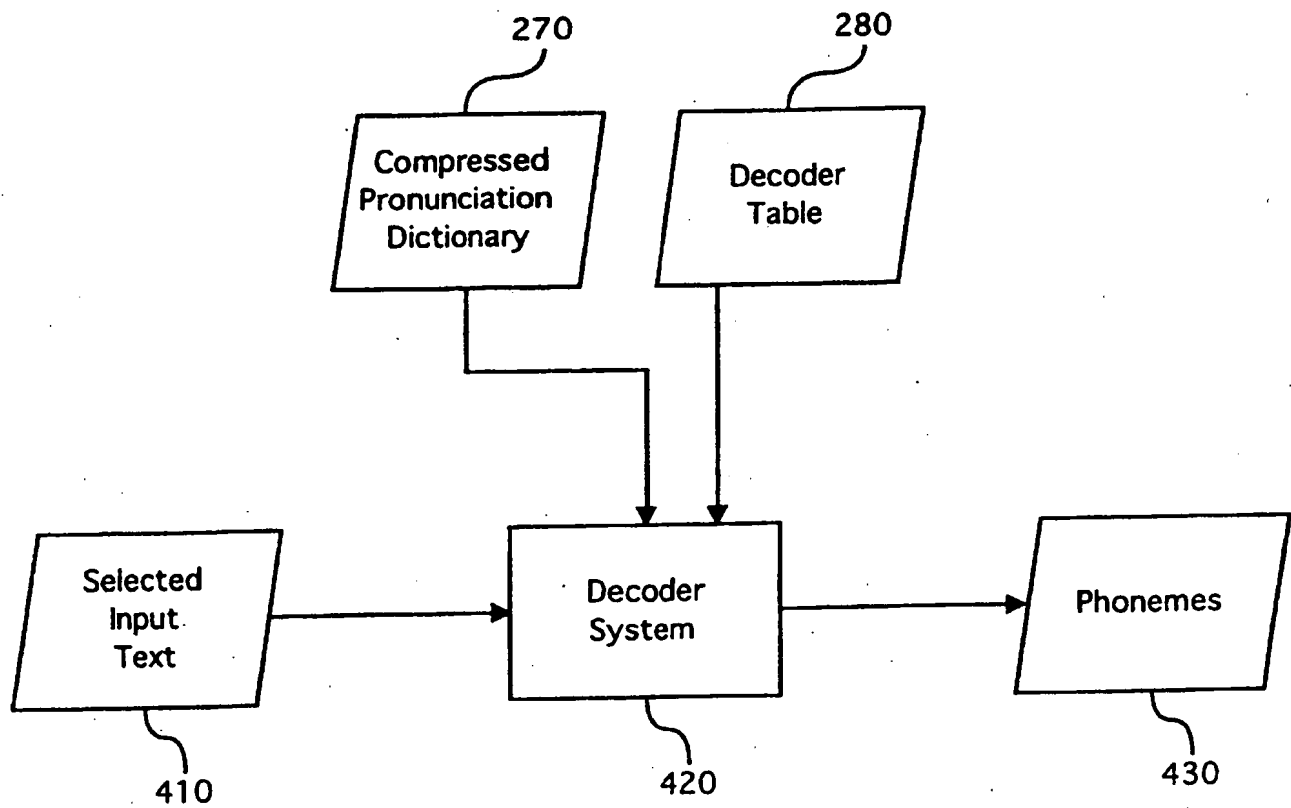


FIG. 4

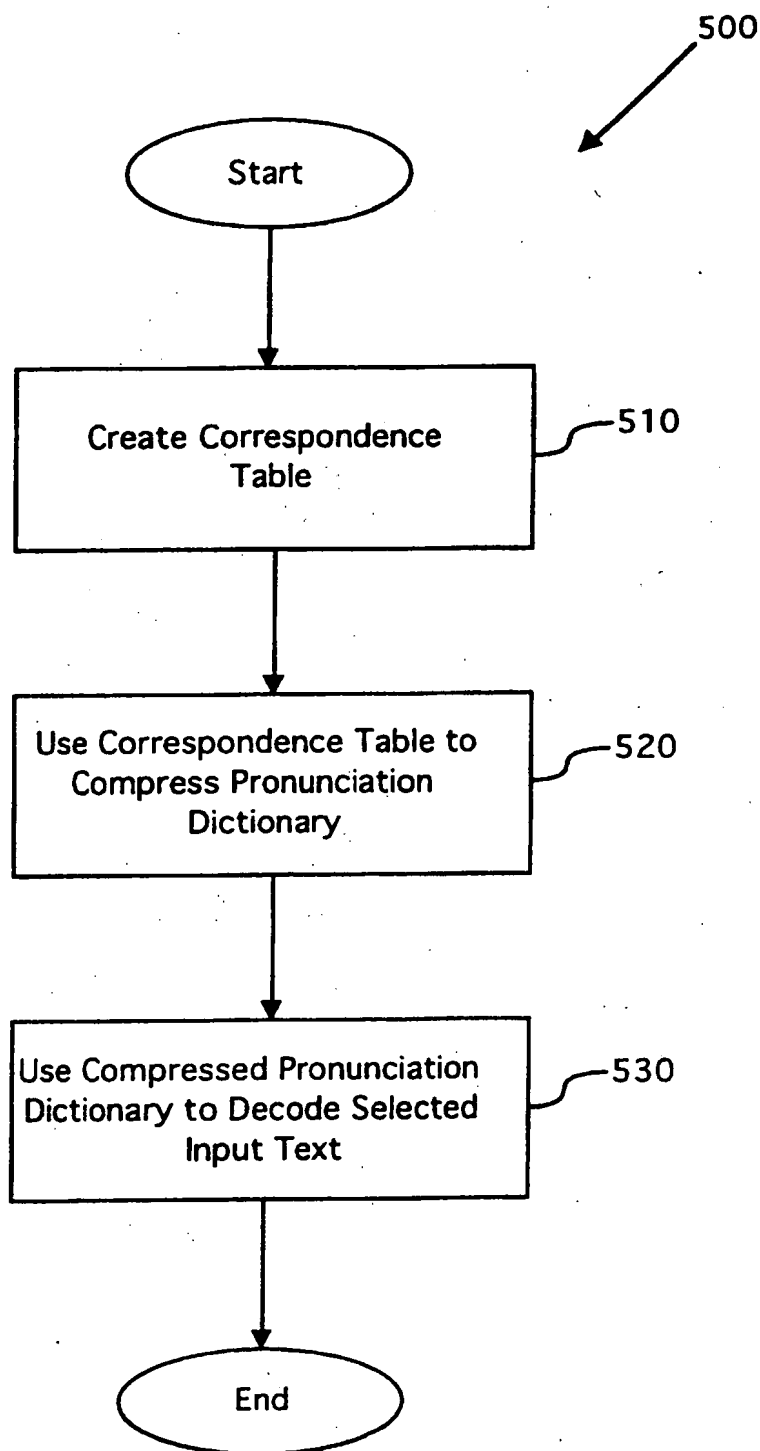
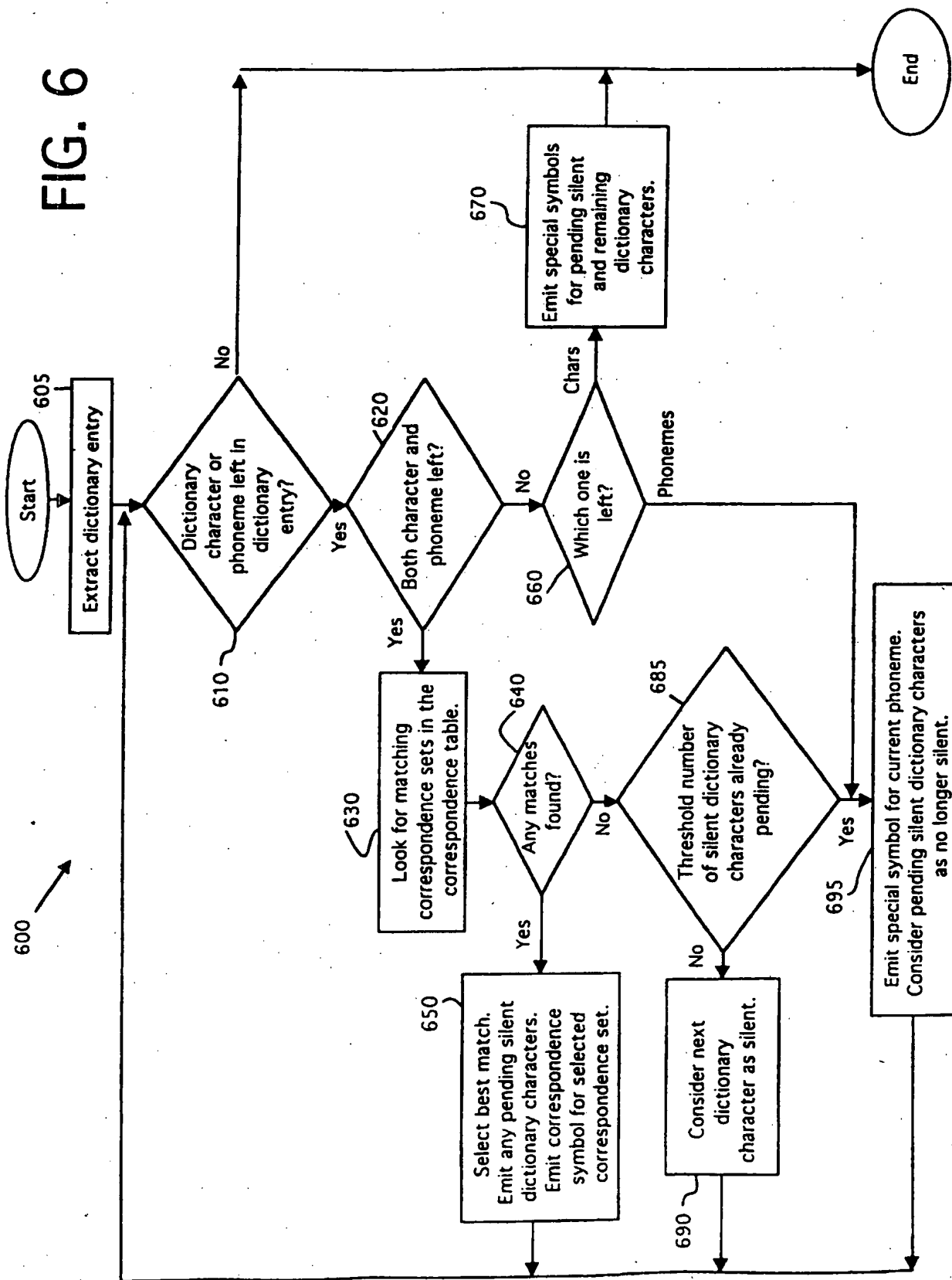


FIG. 5

FIG. 6



Phoneme Set for American English

700

Phoneme symbol Example

AE	bat
EY	bait
AO	caught
AX	about
IY	beet
EH	bet
IH	bit
AY	bite
IX	roses
AA	cot
UW	boot
UH	book
OW	boat
AW	bout
OY	boy
b	bin
C	chin
d	din
D	them
f	fin
g	gain
h	hat
J	jump
k	kin
l	limb
m	mat
n	nat
N	lang
p	pin
r	ran
s	sin
t	tin
T	thin
v	van
w	wet
y	yet
z	zen
Z	measure

FIG. 7